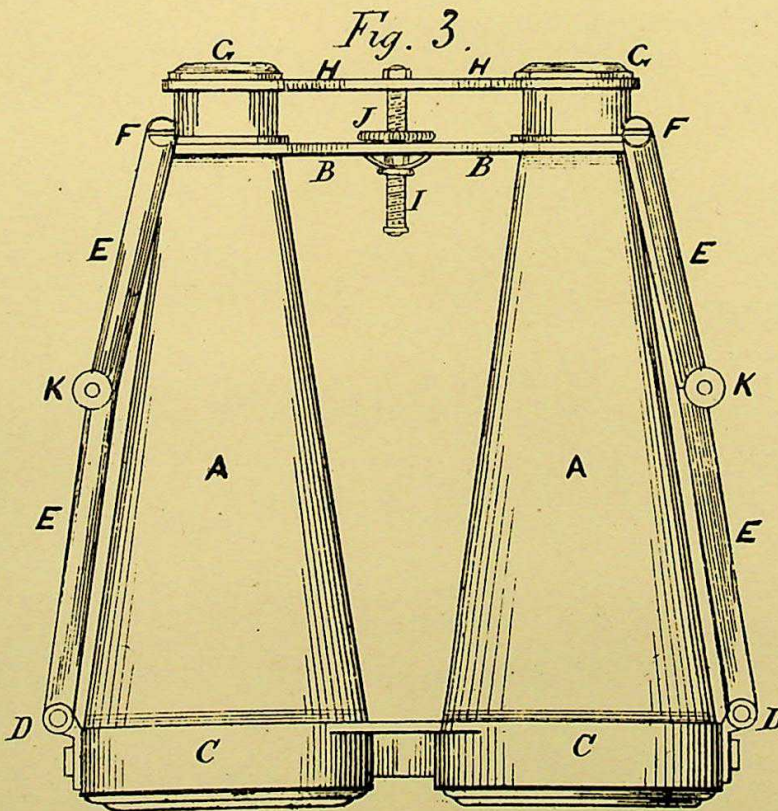
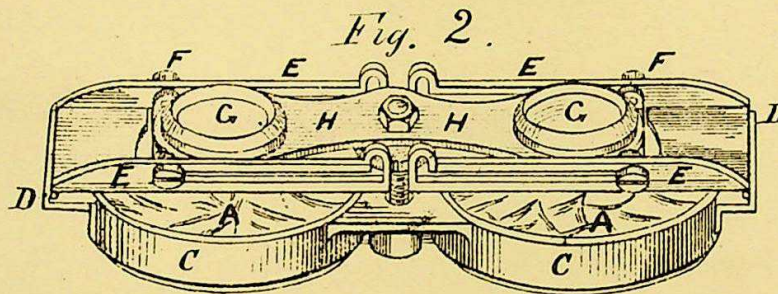
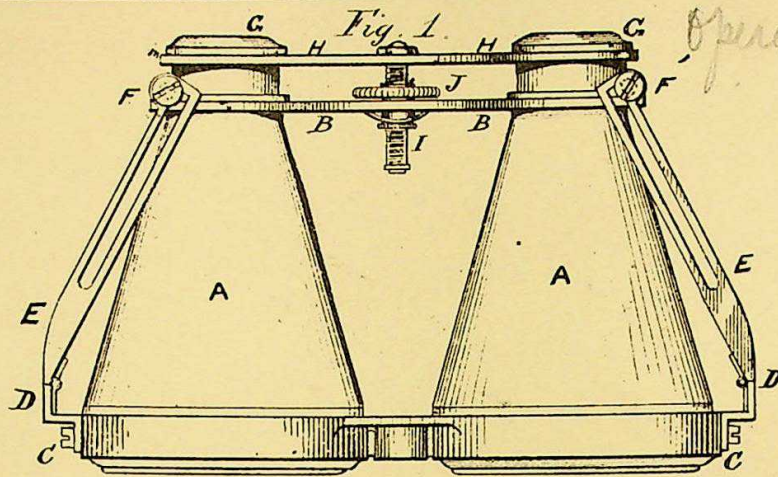




[This Drawing is a reproduction of the Original on a reduced scale]

Fig. 6.

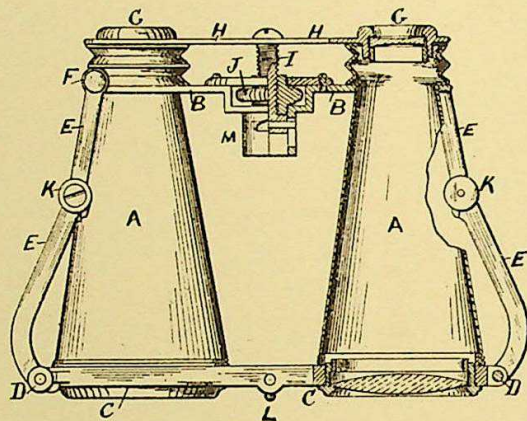


Fig. 8.

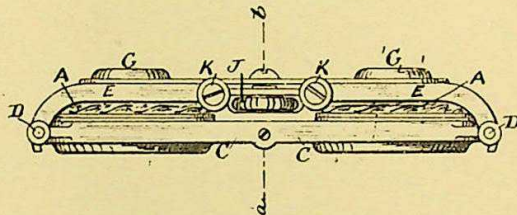


Fig. 7.

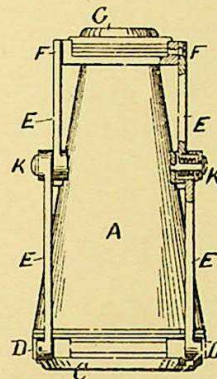


Fig. 4.

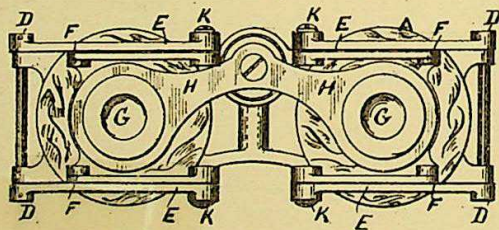


Fig. 5.

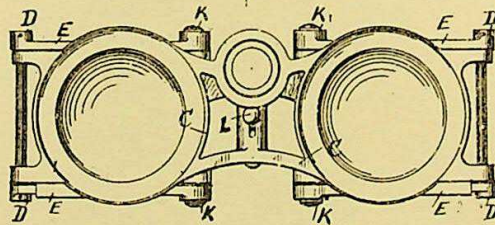
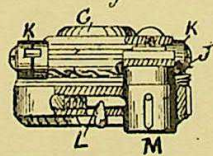


Fig. 9.



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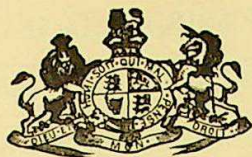
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A.D. 1889

Date of Application, 26th Mar., 1889
Complete Specification Left, 27th Dec., 1889—Accepted, 22nd Feb., 1890

PROVISIONAL SPECIFICATION.

Improved Construction of Collapsible and Expansible Opera and like Glasses and Arrangement of Frames for the Purpose.

I CAROLINE SPILSBURY POCOCK of 2 The Elms, St. Anns Hill, Wandsworth, Surrey, Gentlewoman do hereby declare the nature of my said invention to be as follows :—

According to the usual construction or arrangement of Opera Glasses, Field Glasses and the like whether used alone or in combination with views boxes or cases the cases have been of circular form telescoping one within the other to close them to reduce their bulk or occupy less space than when drawn out.

Now the object of my invention is to dispense with these cases which telescope within one another and use a flexible or yielding body which is compressible, such as leather or waterproof canvas or other similar material affixed to the frame composing the object glass and field glass ends said leather or canvas connection being of tapered form so that when the object glass frame is expanded or drawn away from the field glass end the article has the appearance of an ordinary leather or canvas bound metal frame.

To the field or large glass end I arrange a hinge joint to each half of the opera glass and by leaves or strips hinged thereto and slotted I can by a pin connected to the frames of the object glasses retain the object glasses at the required distance or expanded from the field or larger glass end, the end of the slot in the side strips having a kink in which the pin becomes lodged to retain the article in an expanded form.

The object glasses may be carried in a separate frame to that carrying the pins and by means of a central screw the focussing can be adjusted.

The parts between the object glasses and the field or larger glasses may be provided with springs to push the object glasses into an expanded condition and the slotted frames which would limit the extent of expansion can also be arranged for retaining the article in a closed state.

Dated this 26th day of March 1889.

H. GARDNER,

166, Fleet Street, London, Agent for the said Caroline S. Pocock.

COMPLETE SPECIFICATION.

Improved Construction of Collapsible and Expansible Opera and like Glasses and Arrangement of Frames for the Purpose.

I, CAROLINE SPILSBURY POCOCK, of 2 The Elms, St. Ann's Hill, Wandsworth, Surrey, Gentlewoman, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement :—

According to the usual construction or arrangement of Opera glasses, Field glasses, and the like, the cases have been of circular form, telescoping one within the other to close them to reduce their bulk and occupy less space than when drawn out.

Now the object of my invention is to dispense with cases which telescope within one another and use a jointed frame with a flexible or yielding body, as will be understood by reference to Figures 1 and 2 of the annexed drawings which show a pair of Opera glasses in an expanded and contracted form respectively.

A is the flexible or yielding body, such as leather, or water proof canvas, or other similar material connecting the eye pieces frame B with the field, or object glass ends C, said leather or canvas connection A being of tapered form, so that when the

[Price 6d.]

Pocock's Construction of Collapsible and Expansible Opera and like Glasses, &c.

eye piece frame B is expanded, or drawn away from the field or object glass end C the article has the appearance of an ordinary leather or canvas bound metal frame.

To the field or larger glass end C, I arrange a hinge joint D to each half of the Opera glass and by leaves or strips E hinged thereto and slotted, I can by a pin F connected to the frame B of the eye pieces, retain the article at the required distance, the end of the slot in the side strips E having a kink in which the pins F, F, become lodged to retain the article in an expanded form.

The eye pieces G may be carried in a separate frame H to that carrying the pins F, and by means of a central screw I and turnbutton J, the focussing can be adjusted.

The parts between the eye pieces and the field or larger glasses may be provided with volute, or spiral, or other springs to separate the eye pieces and the object glasses, and the slotted frames, which would limit the extent of expansion, can also be arranged for retaining the article in a closed state.

Figure 3 shows a pair of Field or Marine glasses, in which the same arrangement is adopted, except that the strips E are not slotted but have a joint at K which in the expanded form passes beyond the centre and holds the article rigidly in an expanded form but which when pressed towards each other will fold down and occupy a similar position to that indicated at Figure 2, the two strips E, E, on each side resting upon one another.

Figure 4 is a plan view from the eye glass end of a modified form of frame.

Figure 5 a plan of the Field glass end.

Figure 6 a front view extended or opened out and partly in section.

Figure 7 an edge view with a spring in joint K of leg to keep the frame expanded when opened out, and Figure 8 a side view closed.

Figure 9 shows a mid-sectional view on the line *a b* of Figure 8 with a spring catch L for retaining the frame in a closed condition.

A, is the flexible body.

B, cross plate or bridge.

C, base or field glass support.

D, bottom joints.

E, legs jointed thereto.

F, upper joints.

G, Eye glasses.

H, extending plate.

I, extending screw.

J, nut for focussing the Eye glasses.

K, K, mid-joints provided with watch springs to force legs E, E, open when released.

L, sliding catch to fix the parts when closed.

M, catch barrel.

To open the article, the operation is as follows, draw back the catch L the body expands under action of springs in joints K, K. To close the article, exert pressure to overcome springs in joints K, K, press top part close to the bottom part until the spring catch L of field glass end frame engages in barrel M of eye glass end frame. This locks it.

Having now particularly described and ascertained the nature of this invention and in what manner the same is to be performed I declare that what I claim is:—

The construction of frames for Opera, Field, and Marine glasses, as and for the purposes set forth and as shown on the annexed drawings.

The 26th day of December 1889.

H. GARDNER,

166, Fleet Street, London, Agent for the said Caroline Spilsbury Pocock.